



TECHNICAL DATASHEET

PRODUCT NAME – RUST-X RP Oil

PRODUCT CODE –135 HD 7 MIL PRF Grade 5 Class 2

PRODUCT DESCRIPTION

The Heavy Duty grade as the name implies provides long term corrosion protection against the most damaging environmental conditions.

The protection of this oil surpasses the capability of any generic rust preventive and provides excellent protection even in open environments, sea worthy protection during exports as well as during long term storages of the components.

This Heavy Duty oil forms a light coat of rust preventive layer on the component which is not easily removable with light abrasive forces during handling, transportation and storages in protected or un-protected conditions.

This grade provides multi-purpose degreasing, dewatering and corrosion protection to the component on application. The grade is removable low pressure steam cleaners or by washing with solvents or water based cleaners.

The product has a high flash point and can be used for protection of Cold Rolled Steel, Engine Components, as well as large

equipment where indoor open storages are required.

All RUST-X rust preventive oils are Barium & Heavy Metal Free.

FEATURES

- Fine film with strong adherence to the surface.
- Quick drying- Dries within 5 minutes
- Excellent protection against acidic and saline environments
- Excellent dewatering & degreasing properties
- Finger print remover
- Protective film that does not scratched easily & protects during handling & outdoor storage

APPLICATIONS

- Cast Iron components
- Forgings
- Machined components
- Chemical Plants & Equipments
- Oil Rig Equipment
- Heavy Components
- Wind mill components & components that have to be stored/used in open or in acidic environments



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TECHNICAL SPECIFICATION

| Physical Properties | Test Method | Value |
|-------------------------------------|-------------|-----------------------|
| Colour | Visual | Dark |
| Viscosity @ cSt @ 40°C | ASTM D 445 | >68 cSt |
| Specific Gravity | ASTM D 1298 | <1 |
| Flash Point (before application) | ASTM D 92 | 100 °C |
| Flash Point (after application) | ASTM D 92 | 220 °C |
| Volatiles by % (by weight) | | 30% |
| Non Volatiles % (by weight) | | 70% |
| Coverage (sq m/ Lt) | | 20-25 |
| Film thickness | IS 2074 | 20-25 microns |
| Pour Point | ASTM D 97 | Below -5°C |
| Saponification Value (mg KOH/gm) | ASTM D 94 | 5.0-7.0 |
| Salt Spray Protection | ASTM B 117 | >300 hours or 14 days |
| Humidity Chamber | ASTM D 1748 | 500 hours + |
| Indoor Protection Life (open) | | 3-6 months |
| Protection Life or Exports (in VCI) | | 10 years |

PACKAGING AND STORAGE

Store in a cool dry place and always keep RPO sealed when not in use.

USAGE

Dipping by far is the best method for establishing an even layer on the component. Other methods may be used such as mist spraying, electrostatic spraying, brushing, automatic conveyor spray or dip process spray. It is important that the complete surface of the component is coated with the rust preventive oil.

Use of gloves while handling the components as well as immediate packaging is important. In case the components carry cutting oils or water from previous processes, dewatering with CL005 is recommended.

DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product.





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APPLICATION PICTURES



HEAVY METALS DECLARATION

USA - 14310 Gannet St , La Mirada, California
info@rustxusa.com www.rustxusa.com
Italy | France | India | China | Mexico

RUST-X Rust Preventive products do not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated di-phenylether complying with the restricted substances listed in Article 4(1) of the RoHS Directive. RUST-X Rust Preventive Oils are also REACH Compliant for exports to the European Union.

SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information
- Safe for people
- This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom and CA WHMIS regulations.
- Rust-X VCI chemistry is safe for sensitive electronics.
- Rust-X VCI chemistry imposes No galvanic effects, residues or changes in the properties of metals. The protective molecules dissipate upon opening of package.

DECLARATION

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations.





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LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on validations and tests conducted by HI TECH INTERNATIONAL/RUST-X or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Rust-X, Hi Tech International or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the film sold.

Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of

merchantability or of fitness for a particular purpose. In no case shall HI TECH INTERNATIONAL/RUST-X be liable for incidental or consequential damages.

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